

BOROUGH OF



GRAVESEND



ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1972

G. P. MERSON
M.B., Ch.B., D.P.H., M.F.C.M.
Medical Officer of Health

HEALTH COMMITTEE 1972/73

THE MAYOR (Councillor D. I. McMillan)

Alderman Miss A.E.H. Johnson, B.E.M.

Alderman R. Farthing

Alderman L. H. Hardy

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Councillor Mrs. L. Baxter (*Vice-Chairman*)

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Councillor Mrs. K. M. Lee

Councillor E. A. Brook

Councillor M. Fitzsimons

HEALTH DEPARTMENT STAFF

Medical Officer of Health

GEORGE POLSON MERSON, M.B., ChB., D.P.H., M.F.C.M.

Chief Public Health Inspector

K. MCINTYRE, M.A.P.H.I.

Deputy Chief Public Health Inspector

K. V. SPROAT, M.A.P.H.I.

District Public Health Inspectors

B. L. M. CLARK, M.A.P.H.I.

J. WANN, M.A.P.H.I.

G. P. MUTIMER, M.A.P.H.I., M.R.S.H.

Pupil Public Health Inspector

R. D. TURNER

Clerical and Ancillary Staff

C. A. PORT

MRS. J. WELLS

MISS B. L. ADAMS

I. MCINTYRE

H. GREENSLADE

G. ROWE

HEALTH DEPARTMENT,
CIVIC CENTRE,
GRAVESEND.

MR. MAYOR, MR. CHAIRMAN, LADIES AND GENTLEMEN,

I present my Report on the Public Health, Sanitary Conditions and Vital Statistics for the Borough of Gravesend for the year 1972.

The increase in the number of deaths from cancer of the lung has unfortunately continued and there were 39 deaths as against 35 in 1971. Deaths from bronchitis and emphysema increased from 18 in 1971 to 23 in 1972. Coronary heart disease caused more deaths in 1972 than in 1971 - 151 as against 139.

The population of Gravesend showed a marginal decrease of 70 - 53,600 to 53,530. The number of live births registered in Gravesend decreased from 934 to 864.

In the Gravesend and North Kent Hospital there has been an increase in the number of births. This is due to the opening of the new Maternity Block in October 1971. In the case of Gravesend residents there were 1,100 live births and 14 still births and for non-residents 524 live births and 5 still births. The decrease in the still birth rate and the neo-natal mortality rate indicates that with the better facilities more complicated midwifery is being undertaken in the new Block.

The Mass Radiography Unit attends at the Gravesend Swimming Pool on two days a month. Members of the public and cases referred by the general practitioners continue to attend the unit.

Immunisation against influenza was again offered to the staff of Gravesend and 89 persons were immunised.

I would like to thank the Chairman and all Members of the Health and Licensing Committee for their help and support during the year. Also, I would like to thank all the members of the Health Department for their work during 1972 and the co-operation received from the other departments of Gravesend Borough Council.

I am, Mr. Mayor, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

G. P. MERSON

Medical Officer of Health

STATISTICS AND SOCIAL CONDITIONS OF THE BOROUGH

Area of the Borough (acres)	..	..	..	4,619
Registrar General's estimate of the Population	..			53,530
Number of separate inhabited houses (at 31.3.73)	..			16,873
Rateable Value (at 31.3.73)	..	..	..	£2,166,638
Sum represented by a Penny Rate	..	..	..	£20,943
Rates (to 31st March, 1973)	-	98½p	in the £	
Number of Dwelling Houses built during 1972	-			
Borough Council	Number of Units completed			15
Private Enterprise	Number of Units completed			<u>53</u>
				<u>68</u>

REGISTERED LIVE BIRTHS

		Males	Females	Total
Legitimate	..	392	419	811
Illegitimate	..	<u>26</u>	<u>27</u>	<u>53</u>
Total live births		<u>418</u>	<u>446</u>	<u>864</u>

Crude Birth Rate per 1,000 population - 16.1

STILL BIRTHS

		Males	Females	Total
Legitimate	..	4	4	8
Illegitimate	..	<u>-</u>	<u>2</u>	<u>2</u>
		<u>4</u>	<u>6</u>	<u>10</u>

Still Birth Rate - i.e. Rate per
1,000 total (live and still) births - 11.40

Still Birth Rate per 1,000 population - 0.18

REGISTERED DEATHS - All causes at all ages - 590

<i>Males</i>	<i>Females</i>	<i>Total</i>
294	296	590

Crude Death Rate per 1,000 population - 11.0
(The previous year it was 9.5)

DEATHS FROM PUERPERAL CAUSES - Nil

NATURAL INCREASE IN POPULATION (Excess of Births over Deaths) .. 274

INFANT DEATHS - under 1 year of age

		<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate Infants	..	8	10	18
Illegitimate Infants	..	-	-	-
		<u>8</u>	<u>10</u>	<u>18</u>

DEATH RATE OF INFANTS UNDER 1 YEAR OF AGE:

Infant Mortality Rate, i.e. All infants per 1,000 live births	..	21
Legitimate infants per 1,000 legitimate live births	..	22

NEO-NATAL MORTALITY RATE

(deaths under 4 weeks per 1,000 total live births)	..	10
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EARLY NEO-NATAL MORTALITY RATE

(deaths under 1 week per 1,000 total live births)	..	10
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PERINATAL MORTALITY RATE (stillbirths and deaths under 1

week combined per 1,000 total live and stillbirths)	..	22
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COMPARATIVE BIRTH AND DEATH RATES

<i>Rates</i>		<i>Gravesend</i>	<i>England and Wales</i>
Birth Rate	15.80	14.80
Death Rate	.. ..	12.80	11.60
Infant Mortality Rate	.. ..	17.00	17.00
Still Birth Rate	.. ..	0.18	0.17

BOROUGH OF GRAVESEND

BIRTHS AND DEATHS

BIRTH AND DEATH RATES FOR LAST TEN YEARS

	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
Number of Births	1,178	1,153	1,235	1,205	1,063	1,128	1,053	971	934	864
Crude Birth Rate (per 1,000 population)	22.12	21.15	22.62	22.21	19.35	20.44	19.00	17.80	17.40	16.10
Number of Deaths	552	531	551	551	522	553	516	557	510	500
Crude Death Rate (per 1,000 population)	10.36	9.90	10.10	10.10	9.50	10.02	9.30	10.20	9.50	11.00

CAUSES OF DEATH IN GRAVESEND FOR 1972
AS PROVIDED BY THE REGISTRAR GENERAL

		<i>Male</i>	<i>Female</i>	<i>Total</i>
1.	Tuberculosis of Respiratory System ..	2	1	3
2.	Late Effects of Respiratory T.B. ..	2	-	2
3.	Malignant Neoplasm, Buccal Cavity, etc.	1	-	1
4.	Malignant Neoplasm, Oesophagus ..	1	2	3
5.	Malignant Neoplasm, Stomach	11	3	14
6.	Malignant Neoplasm, Intestine ..	7	9	16
7.	Malignant Neoplasm, Lung, Bronchus ..	29	10	39
8.	Malignant Neoplasm, Breast	-	12	12
9.	Malignant Neoplasm, Uterus	-	5	5
10.	Malignant Neoplasm, Prostate	3	-	3
11.	Leukaemia	1	4	5
12.	Other Malignant Neoplasms	14	24	38
13.	Benign and Unspecified Neoplasms ..	-	3	3
14.	Diabetes Mellitus	2	4	6
15.	Avitaminoses, etc.	-	1	1
16.	Other Endocrine etc. Diseases ..	-	5	5
17.	Multiple Sclerosis	-	2	2
18.	Other Diseases of Nervous System ..	4	2	6
19.	Chronic Rheumatic Heart Disease ..	-	7	7
20.	Hypertensive Disease	3	7	10
21.	Ischaemic Heart Disease	87	64	151
22.	Other Forms of Heart Disease	11	13	24
23.	Cerebrovascular Disease	25	37	62
24.	Other Diseases of Circulatory System ..	11	12	23

					Male	Female	Total
25.	Influenza	..	..	..	1	-	1
26.	Pneumonia	..	..	..	26	26	52
27.	Bronchitis and Emphysema	..	..		16	7	23
28.	Asthma	..	..	..	1	1	2
29.	Other Diseases of Respiratory System	..			2	4	6
30.	Peptic Ulcer	..	..	..	2	4	6
31.	Intestinal Obstruction and Hernia	..			1	2	3
32.	Cirrhosis of Liver	..	..	..	2	1	3
33.	Other Diseases of Digestive System	..			3	2	5
34.	Nephritis and Nephrotis	..	..		2	1	3
35.	Other Diseases, Genito-Urinary System				2	1	3
36.	Diseases of Skin, Subcutaneous Tissue				-	1	1
37.	Diseases of Musculo-Skeletal System	..			1	2	3
38.	Congenital Anomalies	..	..	..	3	3	6
39.	Birth Injury, Difficult Labour, etc.	..			4	1	5
40.	Other Causes of Perinatal Mortality	..			-	2	2
41.	Symptoms and Ill-defined Conditions	..			2	2	4
42.	Motor Vehicle Accidents	..	..		7	2	9
43.	All Other Accidents	....	..	..	3	3	6
44.	Suicide and Self-Inflicted Injuries	..			2	3	5
45.	All Other External Causes	..	..		-	1	1

INFECTIOUS DISEASE NOTIFIED DURING 1972

Disease	Under one year	One and under 3 years	3 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 years and over	Total	Number Removed to Hospital
Ophthalmia Neonatorum ..	-	-	-	-	-	-	-	-	-	-	-
Dysentery ..	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning ..	-	-	-	-	-	-	-	-	-	-	-
Infective Jaundice ..	-	2	2	8	5	10	6	3	-	36	6
Malaria ..	-	-	-	-	-	-	-	-	-	-	-
Measles ..	16	90	124	209	6	1	1	-	-	447	2
Meningococcal Infection ..	1	-	-	-	-	-	-	-	-	1	1
Acute Poliomyelitis - Paralytic	-	-	-	-	-	-	-	-	-	-	-
Non-Paralytic	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever ..	-	-	4	3	-	1	-	-	-	8	-
Whooping Cough ..	1	-	1	-	-	-	-	-	-	2	-
Respiratory Tuberculosis ..	-	-	-	2	1	2	5	2	3	15	6
Non-Respiratory Tuberculosis	-	-	-	-	-	1	2	2	-	5	1
	18	92	131	222	12	15	14	7	3	514	16

MATERNITY AND CHILD WELFARE

NOTIFICATION OF BIRTHS

The number of live and still births occurring in Gravesend during the year was 1,792. After correction for those whose usual residence is elsewhere (i.e. 918 transferred "out" and 0 transferred "in") the number properly belonging to the Borough was 874 (864 live births and 10 still births) compared with 950 in the previous year.

PARTICULARS OF BIRTHS OCCURRING IN GRAVESEND:

Total number of live and still births occurring in Gravesend	..	..	..	1,792
Number of live births actually belonging to Gravesend			1,247	
Number of still births actually belonging to Gravesend			16	
Number of live births (non-residents)			524	
Number of still births (non-residents)			<u>5</u>	1,792

NUMBER OF BIRTHS OCCURRING IN HOSPITAL

	Live Births	Still Births
Number of infants born in Hospital - (residents)	1,100	14
Number of infants born in Hospital - (non-residents)	524	5

ATTENDANCE AT CHILD WELFARE CENTRES

The attendances at the four Welfare Centres during the year were: -

(a)	Individual children under 1 year of age	..	..	708
(b)	Individual children between 1 and 5 years	..	..	1,812
(c)	Total number of attendances at child health clinics	..	..	11,392

For the year 1971 the figures were:

(a)	789
(b)	1,934
(c)	12,573

ANTE-NATAL CLINICS

No Ante-Natal Clinics were held in the Local Authority Clinics.

Ante-Natal Clinics are now held in the General Practitioners' Surgeries.

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

PUBLIC DRINKING SUPPLIES

The Medway Water Board supply water to the Borough.

The water has been satisfactory -

(a) in quantity (b) in quality

The water is hard and there is no evidence of plumbo-solvent action.

BACTERIOLOGICAL EXAMINATION

Samples were taken at regular intervals and were found to be satisfactory:

Number of samples taken - 61

CHEMICAL ANALYSIS

One sample of treated water was taken and reported to be satisfactory.

Note: Tabulated summaries of all water samples taken and results of examination are shown on pages 36, 37, 38, 39, 40 and 41.

CORPORATION BATHING POOL

During the 1972 season the following persons used the Pools:

Fathers and Spectators	..	..	59,417
Schoolchildren	..	..	15,763
Season Ticket and Pass Holders	..		5,728
Club Members	..	..	3,043
Old Age Pensioners	..	..	210
			<hr/>
			84,161
			<hr/>

HYGIENIC ARRANGEMENTS AT BATHING POOL

The Medical Officer of Health has continued to keep the hygienic arrangements at the Pool under supervision. "Breakpoint Chlorination", which was put into operation in 1948, appears to be working efficiently.

BACTERIOLOGICAL EXAMINATION OF BATHING POOL WATER

Twelve samples were taken from the Corporation pool and 50 from school pools. See tabulated summary on pages 39, 40 and 41.

SLIPPER BATHS

The Slipper Baths at the Corporation Bathing Pool were opened in January 1949.

There are separate sections for males and females - 7 baths being allocated to males and 3 to females.

**PREVALENCE AND CONTROL OVER
INFECTIOUS AND "OTHER DISEASES"**

DIPHTHERIA IMMUNISATION

The following is a return of the number of children resident in the Borough who were immunised during the year ended 31st December, 1972.

Year of Birth	Primary		Reinforcing	
	Triple	Diph./Tet.	Triple	Diph./Tet.
1972	23	1	-	-
1971	496	19	-	-
1970	191	19	21	9
1969	23	4	15	20
1968	3	8	10	93
1967	-	2	27	436
1965 - 1966	1	1	7	48
1956 - 1964	1	-	1	16
	738	54	81	622

POLIOMYELITIS VACCINATION

The following table gives the number of persons resident in the Borough who received immunisation against Poliomyelitis during the year ended 31st December, 1972.

Year of Birth	Primary		Reinforcing	
1972	24	-	-	-
1971	535	-	-	-
1970	220	-	-	-
1969	51	-	-	-
1968	22	86	-	-
1967	-	506	-	-
1965 - 1966	-	52	-	-
1956 - 1964	-	293	-	-
	852	937		

MEASLES VACCINATION

The following is a return of the number of children resident in the Borough who were vaccinated during the year ended 31st December, 1972.

<i>Year of Birth</i>	
1972	-
1971	236
1970	227
1969	53
1968	24
1967	10
1965 - 1966	6
1956 - 1964	2
	558

TETANUS VACCINATION

The following is a return of the number of children resident in the Borough who were vaccinated during the year ended 31st December, 1972.

<i>Year of Birth</i>	<i>Primary</i>	<i>Reinforcing</i>
1972	-	-
1971	1	-
1970	1	-
1969	1	1
1968	1	-
1967	1	3
1965 - 1966	6	2
1956 - 1964	52	237
	63	243

NOTIFICATION OF NEW CASES OF TUBERCULOSIS

In 1972, 20 fresh cases were notified. The following table gives comparative particulars over the last ten years.

Year	Estimated Population of Registrar General	Pulmonary	Non- Pulmonary	Total
1963	53,250	13	4	17
1964	53,590	14	6	20
1965	54,550	14	6	20
1966	54,250	11	6	17
1967	54,930	24	4	28
1968	55,160	11	9	20
1969	55,310	11	3	14
1970	54,490	13	9	22
1971	53,600	8	7	15
1972	53,530	14	6	20

The sources from which the notifications of Tuberculosis were received:

Chest Physicians	..	9
Private Medical Practitioners	..	2
Hospitals and Institutions	..	9

AGE AND SEX DISTRIBUTION OF TUBERCULOUS PATIENTS

The following table shows the age and sex distribution of the 20 new cases.

Age Periods	Pulmonary		Non-Pulmonary	
	Male	Female	Male	Female
0 - 1	-	-	-	-
2 - 4	-	-	-	-
5 - 9	-	1	1	-
10 - 14	-	1	-	-
15 - 19	1	1	-	1
20 - 24	-	-	-	-
25 - 34	2	-	1	-
35 - 44	2	1	-	1
45 - 54	1	-	-	1
55 - 64	-	1	1	-
65 & over	2	1	-	-
	8	6	3	3

TUBERCULOSIS DEATHS AND DEATH RATE

There were 3 deaths registered from Tuberculosis.

The following table compares the figures for 1972 with those of previous years.

Year	Pulmonary		Non-Pulmonary		TOTAL Rate per 1,000 Pop.
	Number of deaths	Rate per 1,000 Pop.	Number of deaths	Rate per 1,000 Pop.	
1963	3	.05	-	-	.05
1964	5	.09	-	-	.09
1965	1	.01	1	.01	.02
1966	3	.05	-	-	.05
1967	2	.03	-	-	.03
1968	1	.01	3	.05	.06
1969	-	-	-	-	-
1970	-	-	-	-	-
1971	-	-	-	-	-
1972	3	.05	-	-	.05

TUBERCULOSIS REGISTER

The names of 27 persons were removed from the register for the following reasons:

Deaths	..	..	..	..	6
Left the District	..	..	..	..	5
Recovered	..	..	..	..	15
Diagnosis not Confirmed	..	..	..	..	1
Refused Public Medical Treatment	..	..	..	..	-
Lost sight of	..	..	..	..	-
Emigrated	..	..	..	..	-
De-not ified	..	..	..	..	-
					<hr/>
					27
					<hr/>

One hundred and seventy persons remained on the register at 31st December, 1972. They consist of the following:

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Pulmonary	71	59	130
Non-Pulmonary	<u>20</u>	<u>20</u>	<u>40</u>
	<u>91</u>	<u>79</u>	<u>170</u>

MASS RADIOGRAPHY

Regular visits of the Mass X-ray unit commenced on 1st October, 1970.

The unit is at the Swimming Pool, Ordnance Road on the first and third Monday of every month (except Bank Holidays) between 2 p.m. and 3 p.m.

INNOCULATION AGAINST TUBERCULOSIS

A substantial number of children have been vaccinated with B.C.G.

VENEREAL DISEASES

Dr. C. D. Routh, the Medical Officer in charge of the Gravesend Clinic, has kindly supplied the following statistics:

New Patients - Gravesend:

Syphilis	..	..	1
Gonorrhoea	..	..	21
Other conditions	..	..	43
Other genital conditions			59
			<hr/>
			124
			<hr/>

VENEREAL DISEASE CLINIC - (South-Eastern Metropolitan Hospital Board)

Dr. C. D. Routh is in attendance at the Gravesend Clinic, 22 Cobham Street (telephone Gravesend 3061), at the following times:-

TUESDAY

Male	11.00 a.m.	to	1.00 p.m.
Female	1.00 p.m.	to	2.00 p.m.

SATURDAY

Male and Female	9.00 a.m.	to	10.30 a.m.
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MEDICAL EXAMINATIONS

Seventy-six medical examinations were carried out on the staff of the Borough Council during 1972.

CORONER'S INQUESTS

H.M. Coroner has kindly supplied the following information for the year 1972.

Total Number of Inquests	..	..	..	15
Number of Inquests without Post-mortems	..	..	..	-
Number of Post-mortems without Inquests	..	..	..	95

Verdicts:-

Accidental deaths	..	..	..	4
Suicides	...	..	..	3
Found drowned	..	..	..	-
Other verdicts	..	..	..	7

Mr. K. McIntyre, Chief Public Health Inspector, has supplied the statistics relating to Environmental Health.

ENVIRONMENTAL HEALTH

SUMMARY OF VISITS BY PUBLIC HEALTH INSPECTORS

Housing	..	..	..	..	..	1,391
Food	..	..	..	..	..	1,999
Safety, Health and Welfare of Employed Persons					..	1,361
Pest Control	..	..	..	..	..	214
Clean Air	..	..	..	..	..	560
Public Health (General)	..	..	..	..	..	4,615
						<hr/> 10,140 <hr/>

NOTICES SERVED

			<i>Informal</i>	<i>Statutory</i>
In respect of dwelling houses	..	..	123 ..	16
In respect of other premises	..	..	235	1

PUBLIC HEALTH ACT 1936

Proceedings were instituted in four cases after non-compliance with the requirements of Abatement Notices.

Two cases were adjourned after undertakings had been given in Court that the works would be completed without delay.

A Nuisance Order was made in one case requiring the owner to carry out the works within three months after the issue of an Improvement Grant.

One case was withdrawn as works had been completed at the time of hearing.

CLEAN AIR ACTS 1956 AND 1968

DOMESTIC SMOKE CONTROL

A second Smoke Control Order covering an area including some 4,150 dwelling houses, the boundary of which runs from the junction of Valley Drive with Old Road East in an easterly direction to the junction with Rochester Road, thence in a generally easterly direction along Rochester Road to the Borough boundary with Strood Rural District Council, thence in a generally south-westerly direction along the Borough boundary to its junction with Valley Drive, thence in a northerly direction along Valley Drive to its junction with Old Road East, had been made and submitted to the Department of the Environment.

It was confirmed on 28th April, 1972 and became operative on 1st November, 1972.

PET ANIMALS ACT 1951

Seven premises are licensed within the district and 7 visits of inspection were made.

RODENT CONTROL

The following report summarises the work carried out by the Rodent Officer during the year 1972.

Number of properties inspected following notification	..	..	570
Number of properties found to be infested by: (a) Rats	..	..	91
(b) Mice	..	..	343

TREATMENT AGAINST RATS IN SEWERS

Test Baiting:

Number of manholes baited	..	176
Number of manholes showing bait taken		10

Poison Treatment:

Number of manholes baited	..	76
Number of manholes showing bait taken		9

DISEASES OF ANIMALS ACT 1950

Inspection and enforcement became the responsibility of the Public Health Department from 1st April, 1970.

A number of routine matters were dealt with during the year.

HOUSING

HOUSING ACT 1957, PART II

Representations in respect of the following eight individual properties were submitted:-

27A Bentley Street	(Whole)
16 East Terrace	(Whole)
11 Denton Street	(Whole)
19 Southill Road	(Whole)
20 Southill Road	(Whole)
22 Southill Road	(Whole)
4 Lower Range Road	(Part)
34 Albion Road	(Whole)

A Demolition Order in respect of the following property was made:-

29 Denton Street

Closing Orders in respect of the following seven individual properties were made:-

32 Harmer Street	(Part)
27A Bentley Street	(Whole)
16 East Terrace	(Whole)
11 Denton Street	(Whole)
19 Southill Road	(Whole)
20 Southill Road	(Whole)
22 Southill Road	(Whole)

RE-HOUSING

Families were re-housed during the year from The Terrace Area Compulsory Purchase Order 1971 and the Brunswick Road Area Compulsory Purchase Order 1969; also from properties affected by Demolition and Closing Orders.

Number of Persons Displaced	..	..	266
Number of Families Displaced	..	..	100

Houses Demolished:-

In or adjoining Clearance Areas:-

(a)	Unfit for Human Habitation	..	..	126
(b)	On land acquired under Section 43(2), Housing Act 1957	..	..	13

Unfit Houses made Fit:-

After Closing Order had been determined under Section 27	1
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Houses in which Defects were Remedied:-

After informal action	83
After formal action under Public Health Acts			9

RENT ACT 1957 - FIRST SCHEDULE

Applications for Certificates of Disrepair	..	Nil
Applications for Cancellation of Certificates	..	Nil

HOUSING ACT 1969 AND HOUSING FINANCE ACT 1972

Qualification Certificates:-

Dwelling Houses already improved:

Applications received	..	..	..	11
Applications refused	..	..	..	-
Applications withdrawn	..	..	..	2
Qualification Certificates issued (includes cases brought forward from previous year)				7

Dwelling Houses lacking facilities:

Applications received	..	..	..	8
Applications withdrawn	..	..	..	2
Provisional Qualification Certificates issued	..			6
Qualification Certificates issued (includes cases brought forward from previous year)				6

IMPROVEMENT GRANTS

Comments were made on 200 applications during the year.

FACTORIES ACT, 1961

The Council has the duty to enforce certain provisions of Parts I, IV and VIII of the Factories Act 1961.

Administrative Arrangements include the following:-

Part I - Health (General Provisions)

- (1) Registration of all factories.
- (2) Inspection of sanitary conveniences in all factories.
- (3) Inspection with regard to cleanliness, overcrowding, temperature, ventilation and drainage of floors in all factories in which mechanical power is not used.

Part IV - Basement Bakehouses

- (1) The quinquennial examination of basement bakehouses and the renewal or cancellation of Certificates of Suitability.

Part VIII - Home Work

- (1) Examination of lists, supplied to the Council by employers of outworkers in certain specified trades.
- (2) Notification of name and place of employment of any home worker employed outside the Borough to the Council in whose district his employment is situated.
- (3) Inspection of premises in which the outworker pursues his occupation.

The provisions of the Act, so far as they affect local authorities, have been enforced.

PRESCRIBED PARTICULARS OF THE ADMINISTRATION
OF THE FACTORIES ACT, 1961

PART I

1. Inspections for purposes of provisions as to Health
(including inspections made by Public Health Inspectors)

<i>Premises</i>	<i>Number on Register</i>	<i>Inspections</i>	<i>Written Notices</i>	<i>Owners Prosecuted</i>
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by local authorities	2	5	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by local authorities	136	170	8	-
(iii) Other premises in which Section 7 is enforced by the local authority (excluding outworkers premises)	15	34	1	-
	153	209	9	-

2. Cases in which defects were found:

<i>Particulars</i>	<i>Number of cases in which defects were found</i>				<i>Number of cases in which prosecutions were instituted</i>
	<i>Found</i>	<i>Remedied</i>	<i>Referred To H.M. Inspector</i>	<i>By H.M. Inspector</i>	
Sanitary Conveniences -					
(a) insufficient	3	2	-	-	-
(b) unsuitable or defective	2	3	-	-	-
(c) not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to Outwork)	4	10	-	-	-
	9	15	-	-	-

PART VIII OF THE ACT
OUTWORK - SECTIONS 133 AND 134

Nature of Work	SECTION 133			SECTION 134		
	No. of outworkers in August list required by Sec. 133(1) (c)	No. of cases in default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwholesome premises	Notices served	Prosecutions
Wearing apparel (making, etc.)	41	-	-	-	-	-
Furniture, Upholstery and Loose Cover Makers, Leathercraft	30	-	-	-	-	4
	71	-	-	-	+	-

BASEMENT BAKEHOUSES

PART IV OF THE ACT

A Certificate of suitability is in operation in respect of one basement bakehouse.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

At 31st December, 1972, 702 premises had been registered in the following categories:-

Offices	..	..	..	189
Retail shops	..	..	..	414
Wholesale shops and warehouses	..	..	..	18
Catering establishments	..	..	..	80
Fuel storage depots	..	..	..	1

The number of persons employed in the 702 premises is:-

Males	..	..	..	1,978
Females	..	..	..	<u>3,361</u>
				<u>5,279</u>

Analysis of persons employed in classes of workplace:

Offices	..	..	..	..	1,763
Retail shops	..	..	..	..	2,686
Wholesale shops and warehouses	..	..	..	..	151
Catering establishments open to the public	..	..	..	..	634
Canteens	..	..	..	..	34
Fuel storage depots	..	..	..	..	<u>11</u>
					<u>5,279</u>

The following figures show the work carried out during 1972:-

Number of registered premises receiving a general inspection	..	..	143
Number of visits of all kinds by Inspectors to registered premises	..	..	1,064
Number of notices or requests made regarding infringements	..	..	140
Number of notices or requests complied with	..	..	62

The 62 notices and requests complied with during 1972 comprised 161 items, classified as follows:-

Section	4	To cleanse premises	5
"	6	To provide thermometers	23
"	6	To provide or improve heating	6
"	7	To provide or improve ventilation	10
"	8	To provide or improve lighting	5
"	9	To provide or improve sanitary conveniences	17
"	10	To provide or improve washing facilities	16
"	12	To provide accommodation for clothing	2
"	13	To provide sitting facilities	1
"	16	To provide handrails, etc; to keep stairs, passageways and floors clear and maintained	12
"	17	To fence exposed parts of machinery	2
"	24	To provide first-aid equipment	22
"	50	To provide information for employees	37
Offices, Shops and Railway Premises (Hoists and Lifts) Regulations 1968			3
			<hr/> 161 <hr/>

LEGAL PROCEEDINGS

Authority to institute proceedings was given in two cases.

1. Proceedings were instituted and the firm was found guilty on eight counts. Fines totalling £215 plus £20 costs were imposed.
2. No proceedings were instituted.

ACCIDENTS

The number of accidents reported during the year under Section 48 was 10.

FOOD

There are 548 food premises in the district: -

Bakehouses	..	..	7
Bread and Cake shops	..	..	22
Butchers shops	..	..	35
Catering premises and Canteens	..		111
Chemists, Drugstores, Health Foods	..		19
Confectionery shops	..	..	66
Dairies	..	..	1
Fish shops	..	..	21
Fruit and Greengrocery shops	..		35
Licensed Premises, Motels, Hotels, Clubs			116
Provision shops	..	..	75
Supermarkets and Multiple Stores	..		21
Warehouses/Wholesale	..	..	19
			<hr/>
			548
			<hr/>

FOOD HYGIENE REGULATIONS

Attention is devoted to enforcing the relevant Regulations and for this purpose 1,737 visits were made to food premises, stalls and vehicles, and 74 notices served.

LEGAL PROCEEDINGS

Authority to institute proceedings was given in two cases.

1. Proceedings were instituted and the firm was found guilty on seventeen counts. Fines totalling £260 plus £20 costs were imposed.
2. Proceedings were instituted and the firm was found guilty on nine counts. Fines totalling £250 plus £20 costs were imposed.

MILK

Milk and Dairies (General) Regulations 1959:

Registered Dairies	..	1
Registered Milk Distributors	..	87

Milk (Special Designation) Regulations 1963:

Licences issued to operate until 31st December, 1975 are as follows:-

Dealers (Pasteurisers) Licences	..	1
Dealers (Prepacked Milk) Licences	..	179

There is one pasteurising plant in the area dealing with approximately 18,000 gallons per day.

Biochemical Examinations:

Results of samples taken were as follows:-

Designation	Test	Results	
Pasteurised	Methylene Blue Test	Satisfactory	67
		Unsatisfactory	-
	Phosphatase Test	Satisfactory	67
		Unsatisfactory	-

Chemical Analysis:

Fourteen samples of milk were submitted for analysis, all of which were satisfactory.

These fourteen samples are also included under Food and Drugs Act 1955 - Sampling.

ICE CREAM

Premises registered under Section 16 of the Food and Drugs Act 1955:-

For the sale of ice cream	..	..	149
For the manufacture and sale of ice cream			9

Bacteriological Examination:

Samples were classified as follows:-

Grade 1	..	..	..	..	48
Grade 2	..	..	..	..	5
Grade 3	..	..	..	..	5
Grade 4	..	..	..	..	6

Chemical Analysis:

Seven samples of ice cream were submitted for analysis and found to be satisfactory.

These seven samples are also included under Food and Drugs Act 1955 - Sampling.

INSPECTION OF FOOD

The Public Health Inspectors spend a great deal of their time on food inspection, and a large quantity of food was surrendered as unfit for human consumption during the year.

The surrendered food is disposed of at the joint refuse tip at Northfleet, under supervision.

Food and Drugs Act 1955 - Sampling

Samples taken during the year and submitted for analysis were as follows:-

<i>Article</i>	<i>Result of Analysis</i>	
	<i>Satisfactory</i>	<i>Unsatisfactory</i>
Bread, Cakes, Pastries	8	1
Coffee, Tea	3	
Cream	1	
Drugs and Medical Preparations	4	
Fish, Fish Products	1	
Flour	1	
Fruit, Canned	1	
Fruit, Dried, Preserved	3	2
Herbs, Spices, Condiments	1	
Ice Cream	7	
Marzipan	1	
Meat, Meat Products	33	7
Milk	14	
Sugar Confectionery	2	
	80	10

PARTICULARS OF SAMPLES ADULTERATED OR OTHERWISE UNSATISFACTORY

Gooseberry and Elder Flower Jam - Unsatisfactory Composition. The attention of the manufacturer was drawn to this matter.

Marmalade - Unsatisfactory Composition. The manufacture of this article has now ceased.

Pork Sausage Meat - Undeclared Preservative. The attention of the manufacturer/retailer was drawn to this matter.

Pork Chipolatas - Undeclared Preservative. The attention of the manufacturer/retailer was drawn to this matter.

Pork Sausages - Undeclared Preservative. The attention of the manufacturer/retailer was drawn to this matter.

Pork Sausages - Undeclared Preservative. The attention of the manufacturer/retailer was drawn to this matter.

Pork Chipolatas - Undeclared Preservative. The attention of the manufacturer/retailer was drawn to this matter.

Beefburgers - Undeclared Preservative. The attention of the manufacturer/retailer was drawn to this matter.

Milk Loaf - No Milk Fat. The attention of the manufacturer/retailer was drawn to this matter.

Steak and Kidney Pie - No Kidney. The attention of the manufacturer/retailer was drawn to this matter.

FOOD COMPLAINTS

Eighty-two complaints were received relating to foreign bodies, mould, etc. in food. Authority was given to institute proceedings in eighteen cases and to send a warning letter to one case.

The following were dealt with by the Court:-

Unfit Fried Fish	- Fined £15
Ham (Putrid)	- Fined £25
Metal in Steak and Kidney Pie	- Fined £10 plus £5 costs
Wood in Steak and Kidney Pie	- Fined £20 plus £5 costs
Fly-blown Sausages	- Fined £20 plus £5 costs
Mould on Apple Pie	- Fined £25 plus £5 costs
Fly in Jar of Jam	- Conditional discharge for one year
Mould on Sausage Rolls	- Fined £20 plus £5 costs

BACTERIOLOGICAL EXAMINATION OF DRINKING WATER

1. Leith Park Road Pumping Station (Treated)

Date taken	Probable numbers per 100 ml.		Plate count per ml.
	Coliform bacilli	Bact. Coli (type 1)	
24. 1.72	0		
22. 2.72	0		
22. 3.72	0		
25. 4.72	0		
16. 5.72	0		
21. 6.72	0		
17. 7.72	0		
22. 8.72	0		
26. 9.72	0		
23. 10.72	0		
13. 12.72	0		

BACTERIOLOGICAL EXAMINATION OF DRINKING WATER

2. Domestic Supplies (Treated)

Number of Samples	Date taken	Probable numbers per 100 ml.		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
4	24. 1. 72	0		
4	22. 2. 72	0		
4	22. 3. 72	0		
4	25. 4. 72	0		
3	16. 5. 72	0		
1	16. 5. 72	1	0	
1	23. 5. 72	0		
4	21. 6. 72	0		
4	17. 7. 72	0		
4	22. 8. 72	0		
4	26. 9. 72	0		
5	23. 10. 72	0		
4	21. 11. 72	0		
3	13. 12. 72	0		
1	13. 12. 72	1	0	

CHEMICAL ANALYSIS OF DRINKING WATER

Date taken:	June 1972
Appearance:	Clear, bright
Odour:	Not abnormal
pH Value	7.2

*Parts per
million*

Free Ammonia	Nil
Albuminoid Ammonia	0.014
Nitrite	Nil
Nitrate	16.50
Chloride	28.00
Alkalinity (CaCO_3)	260.00
Total Hardness	336.00
Permanent Hardness	76.00
Sulphate	16.00
Oxygen absorbed from Permanganate	0.05
Total Solids	455.00

Microscopic examination	Revealed very little mineral or vegetable matter.
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BACTERIOLOGICAL EXAMINATION
OF CORPORATION BATHING POOL WATER

Date taken	Where taken	Probable numbers per 100 ml.		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
23.5.72	Deep end	0		0
	Shallow end	0		0
	Paddling pool	0		0
14.6.72	Deep end	0		0
	Shallow end	0		0
	Paddling pool	0		0
4.7.72	Deep end	0		0
	Shallow end	0		0
	Paddling pool	0		0
15.8.72	Deep end	0		0
	Shallow end	0		0
	Paddling pool	0		0

BACTERIOLOGICAL EXAMINATION
OF SCHOOL BATHING POOL WATER

School	Date Taken	Probable numbers per 100 ml.		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
Cecil Road	23. 5.72	0		0
	14. 6.72	0		0
	4. 7.72	0		230
	20. 9.72	0		Uncountable
	23.10.72	0		Uncountable
Ifield Special	23.10.72	0		0
Kings Farm	14. 6.72	0		0
	4. 7.72	0		0
National Sea Training	24. 1.72	0		0
	22. 2.72	0		0
	25. 4.72	0		0
	23. 5.72	0		0
	14. 6.72	0		0
	4. 7.72	0		0
	20. 9.72	0		0
	23.10.72	0		0
	21.11.72	0		0
	13.12.72	0		0
Gravesend School for Boys	23. 5.72	0		0
	14. 6.72	0		0
	4. 7.72	0		0
	15. 8.72	0		1
	20. 9.72	0		0
	23.10.72	0		0
Raynehurst	23. 5.72	0		0
	14. 6.72	0	1	0
	4. 7.72	0		Uncountable

School	Date Taken	Probable numbers per 100 ml.		Plate Count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
Riverview	23. 5.72	2	0	1
	14. 6.72	0		0
	4. 7.72	0		66
	20. 9.72	0		0
St. John's High	20. 9.72	0		0
	23.10.72	0		0
	21.11.72	0		0
	13.12.72	0		0
St. Joseph's Convent	23. 5.72	0	1	0
	17. 6.72	2 +	2 +	0
	15. 8.72	0		0
	20. 9.72	0		0
	23.10.72	0		0
Westcourt	14. 6.72	0		0
	4. 7.72	0		0
Whitehill Road	23. 5.72	0		0
	14. 6.72	0		0
	4. 7.72	0		390
Wrotham Road	23. 5.72	0		20
	14. 6.72	0		0
	4. 7.72	0		0
	15. 8.72	0		Uncountable
	20. 9.72	0		0

ANALYST'S MONTHLY REPORTS ON ANALYSIS OF DEPOSITS FROM STANDARD
DEPOSIT GAUGES, CALCULATED IN MILLIGRAMMES PER SQUARE METRE PER DAY

SITE: Dashwood Lane Nurseries

	1 9 7 1			1 9 7 2								
	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.
Rainfall (m.m./day)	1.56	1.24	0.90	1.65	1.16	1.21	1.12	0.81	0.66	1.65	0.70	1.39
pH Value	4.7	6.6	6.1	6.2	5.3	6.4	7.1	6.3	6.4	6.4	6.5	6.8
Undissolved Matter	65.9	163.2	102.8	78.0	83.7	85.8	127.1	61.0	76.3	124.5	33.7	140.0
Soluble in Carbon Disulphide	1.1	0.7	0.8	0.5	0.8	0.8	1.2	0.8	0.7	0.7	0.3	0.4
Ash	43.3	134.9	81.5	62.1	64.4	65.4	101.9	45.8	16.2	89.2	21.6	108.3
Calcium	0.8	2.2	1.0	1.0	0.8	1.3	1.7	0.8	0.5	1.7	0.9	2.7
Dissolved Matter	69.2	136.4	92.0	127.7	71.8	87.7	94.4	53.4	31.7	87.1	69.9	39.2
Calcium	8.7	22.7	10.3	19.4	6.1	12.3	17.9	5.6	4.1	16.1	9.2	14.9
Chloride	10.3	12.8	11.6	15.4	10.8	10.4	10.7	5.1	2.9	4.5	3.9	6.8
Sulphates	29.6	50.4	34.1	42.3	24.0	29.4	34.2	18.3	9.6	30.9	24.4	29.7
Total Solids	135.1	299.6	194.9	205.7	155.5	173.7	221.5	114.4	58.0	211.6	103.5	209.2
Estimated Dust from Cement Works	14.7	51.1	8.4	53.0	-	25.7	44.5	3.5	8.9	37.1	25.8	36.5

SITE: Swimming Pool

	1 9 7 1			1 9 7 2								
	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.
Failfall (m.m./day)	1.23	1.19	0.70	1.34	0.91	0.86	0.77	0.45	0.21	1.28	0.71	1.15
pH Value	5.7	6.0	5.5	4.4	5.1	5.7	6.3	6.2	5.5	6.4	3.9	5.2
Undissolved Matter	60.5	82.4	89.5	58.8	66.3	94.1	83.2	71.6	38.2	83.0	32.6	113.6
Soluble in Carbon Disulphide	1.5	1.2	1.0	0.9	1.5	1.0	1.0	1.1	0.8	0.8	1.4	1.0
Ash	46.6	64.0	70.7	45.6	52.8	72.2	65.3	55.4	26.2	59.4	17.9	84.9
Calcium	0.7	1.2	0.7	0.5	0.8	0.9	1.0	0.9	0.5	1.5	0.6	2.2
Dissolved Matter	69.3	95.6	93.8	77.9	86.2	92.6	83.5	57.7	37.4	70.4	55.0	75.5
Calcium	9.3	14.3	13.3	8.2	9.5	14.0	13.0	7.5	6.5	13.0	6.0	15.2
Chloride	9.2	12.0	13.2	10.2	13.2	11.9	10.2	5.9	3.0	5.3	4.4	9.6
Sulphates	27.1	35.6	36.0	28.5	31.0	35.1	32.8	22.5	13.7	29.2	15.3	35.3
Total Solids	129.8	178.0	183.3	136.7	152.6	186.7	166.8	129.3	75.6	153.5	87.6	189.1
Estimated Dust from Cement Works	18.4	34.5	25.5	9.5	13.9	29.0	29.5	10.1	6.5	34.9	11.7	40.8

INVESTIGATION OF ATMOSPHERIC POLLUTION

SMOKE AND SULPHUR DIOXIDE BY VOLUMETRIC METHOD

SITE: Civic Centre

				SMOKE		SULPHUR DIOXIDE	
				Microgrammes per cubic metre		Microgrammes per cubic metre	
				Average value	Highest value	Average value	Highest value
30.	3.71	-	3. 5.71	26	59	97	187
4.	5.71	-	7. 6.71	17	38	60	150
8.	6.71	-	5. 7.71	14	30	63	149
6.	7.71	-	2. 8.71	14	36	56	168
3.	8.71	-	30. 8.71		No	Results	
31.	8.71	-	4.10.71		No	Results	
5.	10.71	-	1.11.71	26	69	65	99
2.	11.71	-	29.11.71	50	106	127	228
30.	11.71	-	3. 1.72	52	152	144	477
4.	1.72	-	31. 1.72	49	155	121	314
1.	2.72	-	28. 2.72	44	84	86	148
29.	2.72	-	27. 3.72	46	101	97	206
28.	3.72	-	1. 5.72	22	56	93	177
2.	5.72	-	29. 5.72	14	24	47	114
30.	5.72	-	3. 7.72	12	27	34	87
4.	7.72	-	31. 7.72	15	26	62	222
1.	8.72	-	4. 9.72	18	45	60	158

